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1 Determination of the Registration Point for Location Update by Dynamic Programming in PCS

Chae Y. Lee, Seon G. Chang

 September 2001 *Wireless Networks*, Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

 Full text available: [pdf\(205.97 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [Index terms](#)
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Location management is important to effectively keep track of mobile terminals with reduced signal flows and database queries. Even though dynamic location management strategies are known to show good performance, we in this paper consider the static ...

Keywords: dynamic programming, location management, selective pointer forwarding

2 Traffic impacts of international roaming on mobile and personal communications with distributed data management

Jyhi-Kong Wey, Wei-Pang Yang, Lir-Fang Sun

 December 1997 *Mobile Networks and Applications*, Volume 2 Issue 4

Publisher: Kluwer Academic Publishers

 Full text available: [pdf\(728.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [Index terms](#)
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In this paper, we propose four network interconnection scenarios and the related signaling aspects for the international roaming traffic in mobile and personal communications. With or without international gateway relay nodes summarized from the proposed ...

3 On optimizing the location update costs in the presence of database failures

Zygmunt J. Haas, Yi-Bing Lin

 August 1998 *Wireless Networks*, Volume 4 Issue 5

Publisher: Kluwer Academic Publishers

 Full text available: [pdf\(412.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
Master in Ed

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 25, Citation Count: 6

This paper studies the database failure recovery procedure for cellular phone networks as part of the Electronic Industries Association/Telecommunications Industry Association Interim Standard 41 (EIA/TIA IS-41). Before the location information of the ...

4 Reducing location update cost in a PCS network

Yi-Bing Lin

February 1997 | IEEE/ACM Transactions on Networking (TON), Volume 5 Issue 1

Publisher: IEEE Press

Full text available:  pdf(354.17 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 37, Citation Count: 36

Keywords: home location register, mobility management, personal communications services, roaming management, visitor location register

5 GIP: an infrastructure for mobile intranets deployment

Constantinos F. Grecas, Sotirios I. Maniatis, Iakovos S. Venieris

July 2003 | Wireless Networks, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  pdf(729.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 23, Citation Count: 0

The GPRS and UMTS specifications define the procedures supporting the mobility and the data sessions of a mobile user moving within the area of the corresponding PLMNs. For the case, though, of mobile users working in group, using a PLMN infrastructure, ...

Keywords: GPRS, UMTS, mobile intranets

6 IPv6-GSM: an IPv6-based solution for GSM number portability

Han-Chieh Chao, T. G. Tsuei, Chih-Hung Ying

September 2003 | International Journal of Network Management, Volume 13 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(286.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 114, Citation Count: 0

This paper proposes an algorithm called IPv6-GSM. In IPv6-GSM, users own GSM Local Number Portability (LNP) capability and can communicate with VoIP terminals efficiently. Therefore, with the ample address space and embedded neat mobility mechanism than ...

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